## Sicientific Americam.


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Raperwso rip. An- Frankin Ro Prinde of New























 In combina tion with the caps,
above parts being perforated, and
ly as and for tne purpose eet forth
[This invention relates to that class of seeding machnd consists in a novel distributing device, whereby the seed is dropped or discbarged from the seed box in a continuou
of meane.]






 entric. I claim the rocking type frome T, With ec Third, I claim the arrangement and the manner of
operating the distributing cylinder, E, Bupported be
be

 dencribed, in connection with an arrangeement of inking
doilera, operated in the manner substantially as speci fied.
Fourth, I clain the arrangement and construction
of the fymotion in the manner and or the purpose as as
deecribed, operating in connection with the nipper, 8 . described, operating in connection with the nipper,
substantially as s ecifed.


 [Thtsinvention consists in a certain arrangement of s spring and hevers, forgiving a sudden movement to eduction of the steam to and from the steam cylinder, as the piston of the engine arrives at the end of its stroke.]
Maorinse ror Pounding Rior $\rightarrow$ John Tallon, of New
Orleans. La.:
I claim the combination of the pounder,
 in relation to each other,
for the purposes set forth.
Foldnge Gridron-Joseph II. Thomas, of Newark, ncridironc, buti
intication to a folding gridiron of the
in anime hinge joint, formed by the slotted stands, b, b, and the

 ture of the varions kinde of tar and oils, buts adaptisuch
material to the intended une, being governed in clooice

 Thompons Improved Felt.
Neither do polaing broun of a conbina-
tion of one or more alkaline or earthy silicates, with ion of one or more aikgline or earthy silicates, with
one or more tary maters,
 When necessal



 cified.
I aloo claim the metallic bearing bar, $c_{0}$, between the
back of the India rubber and the cusbion back of the India rubbber and the cuasion rail, substan-
tially as and for the purpose set forth.



 ter, , app ied to the Bhank, so as to be capable of being
revoved theron, and fixed in position thereon, by
means substantiall explained. Reduonva Wood Fibres yo Paprg Polp-Henry
Voelter, of Heidenheim, Wurtemburg, Germany. Pa-
 tuough it might be ghown that this even emanated
from me; no do I claim brody the employment of mech anical agents, in combination wit water or other
sitatable liquid, for the the purpose of separating and ob-
taining the fibres of wood.
 rirst, The particular arrangement, construction and
combination of the machinery, or the mechanical ex-
pedine pedients employed, as herein, specified for for reducing
blocko of wood or protucis Food pulp, by feeding
the on

 sentially the bame aldescribed dad bet forth
second The employment and the combination of a
series of perforated and rotating cylinders with the re-


 equal, compartmenta, a, b, and using astide, F, to to gra-
duate the opening, betwee then,
thus arranged, in used in combination with the hopper,

[This is an improvement in broadcust sowing ma-
chines, and the intention is to produce a machine in chines, and the intention is to produce a machine in shall be regulated. It is a very perfect and good device.] Bkerrves-Thomas F. Windle, of Wagohtown, Pa:

 ventilated bee escape tubes ( 12,12 ). When the Bame are
head in used in combination with the hive, the whole being
constructed in the manner and for the purposes set
forth and described.





 STEMM ENaNE- John J. G. Colling, of Philadelphia,
Pa, assignor to himelf, William A. Rhodeg, and Thos,
Drake of Philadelphia, Pa. Without claiming broadly































 tained, on account of the exposure of the fire while
cooking vessels were being adjusted in and removed from the holes in the top plates.]








 to an imperfect centering ot the sam
the lathe, for the purpose specified.

##  hopper. B, poliighing surface. CD and D, and apring, Ed or their equivalentanaustantially in the manner and for the purposes set forth.



 tributed, and thus imparted to the rollers which ink
the formof of type. moving the rilera, T. "one
Second,

 them a lateral motion, when in contact with the dibs-
tributing disca, or some equivalent, for the purpose
specifled.

 withdrawn during the removement, to prevent an img
pression such bed reciprocting and at the game time
arternating from one of theee ponitions to the other
the thus performing two separate and distinct motions, en-
tirely idependent ond and in contrar direction to each
other whiue remaining in other, while remaining in gear with the cylinder, when
such bed shall be uad with acylinder or is equivent
having a part revolution with a reciprocating movement. $\begin{aligned} & \text { Fourth, I claim attaching to the reciprocating form } \\ & \text { or type bed, an adjustable rack, as well as a stationary }\end{aligned}$ rack, which two racta shall play into gear, upon a cy-
inder or egegmet ofa cyinder bothat any and
or variation, may at once be taken up by ajuating the

 tal poitioni But 1 clainm sio placing the bed when used
with rotating rectprocating cylinder or seement of a




 and





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 denero 2 nef ofth
 the oraporatatr.

Derge Bruce of New Yor N Door Look Platrs-Cornelius B. Erwin, of New Door Loos Platrs-Henry E. Rubsell, of New Br

tain, Conn. Box Srovrg-N. S. Vedder \& Henry Riply, of Troy
N. Y ., (aleignor to N. S. Vedder, of Troy, aforesaid). $-N . S . V e d d e r$, of Troy, N. Y Parlob Storke-N. S. Vedder, of Troy, N. Y. Two

## Oysters and Star Fish.

The July number of the North American Review says, in reference to the havoc mad mong the oysters by the star fish in the haror of New York and its vicinity, that the dollars, and the proprietors of opster bed have petitioned the State to remit the tax upon them, asserting that unless some way is ound to check the ravages of these animals, the oyster is in danger of becoming extinct in many localities where they are now abundant The ancients believed that the star fish cun ningly inserted one of its rays between th valves, and thus gradually destroyed its vic tim; but modern observation has determined that its mode of attack is very different. If the oyster is a large bivalve (one that would the mouth a crustacean epicur ater), four or five asterix attach themselves to it, and waiting patiently until the mollusk pens his shell, intrude between the valve their stomachs, which first, for a greater con venience, they turn inside out. A liquid is supposed to be secreted by the stomach, whic acts as an oner poseses the power to ches bis doers gainst the intruder, and thus becomes an easy prey to these burglars.of the deep. It s to be hoped that the true lover of the de hicious oyster, particularly those who are ac customed to study the radiata of the aquarium will devise some plan to enable the bivalve rain peaceful possession of his own house the lords of creation.

Vaccination.-Too much importance can符 be attached to this great specitic agains mallpox. In one district in England (so say ne of its journals), ont of 1,536 deaths 419 ave arisen from this terrible disease, a cir umstance which requires great and immediate attention; for the large percentage of deaths above alluded to are but a portion which take place in this country annually; and it is to be feared that, if proper means are taken, the number which is at present large will soon be increased.

Black Tongue.-A correspondent residing at Howell, Mich., informs us that a disease called the "black tongue" is prevailing in hat section, and also that he has noticed that similar disease is attacking the cattle in the southern States. He says his own experience is that not one in ten of the animals will die if they are permitted to chew coarse salt-the arser the better. This is a harmless reme dy, and should be tried.

A good map of the Submarine Telegraph etween America and Europe, well colored, by McKee \& Stillwell, 89 Nassau street, New by McKee \& Stillwell,
York. Price 10 cents.

